

Characteristics	Typical	Guaranteed	
		0° to 50°C	-54° to +85°C
Frequency			
Small Signal Gain (min.)			
Gain Flatness (max.)			
Reverse Isolation			
Noise Figure (max.)			
Power Output @ 1 dB comp. (min.)			
IP3			
IP2			
Second Order Harmonic IP			
VSWR Input / Output (max.)			
DC Current @ 15 Volts (max.)			

### Absolute Maximum Ratings

Storage Temperature  
Max. Case Temperature  
Max. DC Voltage  
Max. Continuous RF Input Power  
Max. Short Term RF Input Power (1 minute max.)  
Max. Peak Power (3  $\mu$ sec max.)  
“S” Series Burn-in Temperature (Case)

### Thermal Data: $V_{cc} = 15$ Vdc

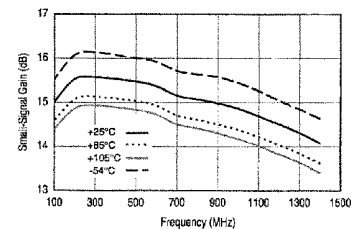
Thermal Resistance  $\theta_{jc}$   
Transistor Power Dissipation  $P_d$   
Junction Temperature Rise Above Case  $T_{jc}$

### Outline Drawings

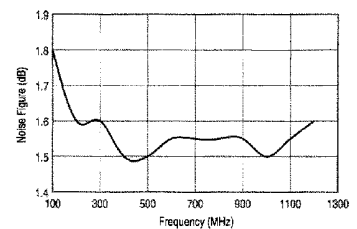
Package	TO-8	Surface Mount	SMA Connectorized
Figure			
Model			

### Typical Performance @ 25°C

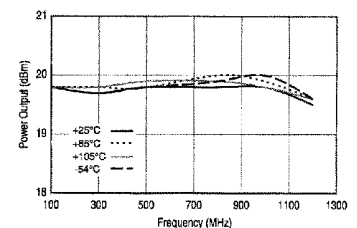
#### Small Signal Gain



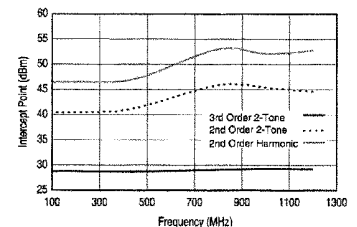
#### Noise Figure



#### Power Output (1dB Gain Compression)



#### Intercept Point



#### VSWR

